Can you create a trap that gingerbread man cookie can catch and hold one?
Teacher Directions

Materials: (per student)
- Variety of found materials (outdoor or craft)
- Scissors, tape and glue
- Cardboard and paper scraps
- Popsicle sticks, straws, etc.

Set-Up:
- Give students the materials needed. Students can also bring in a variety of materials for this challenge.
- Students will need to select one gingerbread to color and cut out. It must fit inside their trap design.
- Provide a flat surface for the construction.

Goal:
Students will construct a trap for a gingerbread man cookie and demonstrate how it works.
Can you create a gingerbread man cookie? One catch and hold trap that can
Choose one gingerbread man and color it. Then cut it out. Your gingerbread man must fit inside the trap you build.

*Copy onto cardstock.*
Challenge Rules

- Be creative!

- There are many different ways to work once it is completed.

- You must demonstrate how your trap will work once it is completed.

- Gingerbread man! If must also hold a gingerbread man.

- Your goal is to build a trap for catching a surface.

- The trap must be constructed on a flat.

- You must use only the supplies provided.
What did you learn about construction and engineering during this challenge?

Did your gingerbread man trap work? Why or why not? Did the gingerbread man fit inside your trap?

What was the best idea you came up with during this challenge?

What was the most difficult part of this challenge? Why?

Were you successful in this challenge? Why or why not?

Name

Student Lab Sheet: Gingerbread Trap Challenge
What data can you record from this challenge?

What was your design solution for this challenge?

What is the science behind this challenge?

Research this topic using books and/or the Internet and record any information you find.

Name: ____________________

Student Lab Sheet: Cinnamonbread Trap Challenge